

MISNIK, Yu.F.; FISHKIN, M.Yu.

New data on the geology and petrography of the Sretensk
granitoid massif; (eastern Transbaikalia). Geol.i geofiz. 4:53-67
'62. (MIRA 15:8)

1. L'vovskiy gosudarstvennyy universitet imeni Franko.
(Transbaikalia—Granite)

MISNIK, Yu.F.

Permian sediments in the Shilka Valley (western Transbaikalia).
Izv.vys.ucheb.zav.; geol.i razv 5 no.1:31-37 Ja '62.

I. L'vovskiy gosudarstvennyy universitet imeni Iv.Franko.
(Transbaikalia--Geology) (MIRA 15:2)

MISNIK, Yu.F.; PORTNYAGIN, E.A.

Permian and Jurassic graben-synclines of the Mongolian-Okhotsk
deep fault (eastern Transbaikalia and the upper Amur Valley).
Visnyk L'viv.un. Ser.geol. no.1:45-51 '62. (MIRA 16:7)
(Transbaikalia--Geology, Structural)
(Amur Valley--Geology, Structural)

KISNIK, Yu. N.

"Investigation of the Effect of a Blast in a Medium in Relation
to the Depth at Which the Charge is Placed." Cand Tech Sci, Leningrad
Mining Inst, Leningrad, 1954. (ZZh. ekh, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

MISNIK, Yu. M.

VAYPOLIN, A.F.; MISNIK, Yu.M.; SHKLYAROV, M.I.

Mechanized hole boring in exploration mining. Zap. Len. gor. inst.
34 no. 1:69-72 '57. (MLBA 1049)
(Boring machinery) (Prospecting)

MISNIK, Yu.M.

Relation of the specific consumption of explosives to the depth
of placing single loosening charges. Zap.Len.gor.inst. 36 no.1:
169-178 '58.
(Explosives) (Mining engineering) (MIRA 12:4)

GOLOVIN, G.M., dostaent; MISNIK, Yu.M., kand. tekhn. nauk

Mining in hard rocks subject to methane emission. Nauch. dokl. vys.
shkoly; gor. dele no.1:67-74 '59.
(MIRA 12:5)

1. Predstavlena kafedroy burevzrynykh rabet Leningradskogo gornogo
instituta imeni G.V. Plekhanova.
(Mining engineering) (Mine gases)

18

SOV/127-59-4-15/27

AUTHOR: Golovin, G.M., Docent, and Misnik, Yu.M., Candidate
of Technical Sciences

TITLE: Foreign Experience in Drifting Galleries Under
Conditions of Escaping Methane. (Iz inostrannogo
opyta prokhodki vyrobok v usloviyakh vydeleniya
metana.)

PERIODICAL: Gornyy zhurnal, 1959, Nr 4, pp 61-62 (USSR)

ABSTRACT: The Mining Scientific Research Institute (GNII) in
Radvanice (Czechoslovakia) developed a method of
drifting galleries where emanations of methane
could endanger the workers' life. The method con-
sisted in putting special water-filled stemmings
in the blast holes over the explosive charges
and hanging plastic balloons filled with 20-30
liters of water. One patron-igniter was placed in
each balloon, and it was exploded 1/2 second be-
fore the main explosion in such a way that the
water dust curtain and the water from the stemming

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SOV/127-59-4-15/27

Foreign Experience in Drifting Galleries Under Conditions of
Escaping Methane.

sharply lowered the methane concentration and at
the same time cooled the blasted ore. There
are 2 diagrams and 2 Czech references.

ASSOCIATION: Leningradskiy gornyy institut. (The Leningrad
Mining Institute)

Card 2/2

SUKHANOV, Afanasiy Filimonovich, prof., doktor tekhn.nauk, red.;
NAZAROV, Petr Petrovich; KUTUZOV, Boris Nikolayevich;
NEVSKIY, Vladimir Leonidovich; DMITRIYEV, Aleksey
Pavlovich; GOLOVIN, Grigoriy Mikhaylovich; MISNIK,
Yuriy Mikhaylovich; KHANUKAYEV, Aleksandr Nisanovich;
KOROLEVA, T.I., red.izd-va; SHKLYAR, S.Ya., tekhn. red.

[Boring and blasting operations] Burovazryvnye raboty. [By]
A.F.Sukhanov i dr. Moskva, Gosgortekhizdat, 1962. 242 p.
(Boring) (Blasting) (MIRA 16;9)

TARANOV, Petr Yakovlevic, KHANUKAYEV, A.N., prof., retsenzent;
BUBOK, V.K., retsenzent; BOROVIKOV, V.A., retsenzent;
KARPUNOV, Ye.G., retsenzent; MISNIK, Yu.M., retsenzent;
SMIRNOV, N.A., retsenzent; RAZAMAT, V.V., retsenzent;
SAVRASOV, L.M., retsenzent; YURMANOV, Yu.A., retsenzent;
BABICHEV, N.S., retsenzent

[Blasting operations] Burovzryvnye raboty. Izd.2. Mo-
skva, Nedra, 1964. 253 p.
(MIRA 18:7)

KUCHIK, Yu.M., kand. tekhn. nauk; KALYANOV, V.A., zhurn.; TROFIMOV, Ye.G., inzh.

Action of the stress waves in coal and shale. Izv. vys. ucheb. zav.; gor. zhur. N no.1:57-62 '65. (UDC 12'3)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Flameni gornyy institut imeni G.V. Plekhanova. Rekomendovana na fedroy burzvryvnykh rabot.

SUKHOVA, M.N.; GVOZDEVA, I.V.; MISNIK, Yu.N.; TETEROVSKAYA, T.O.; BOLOTVA, T.A.; KHOLODOVA, G.K.; STOROZHENA, Ye.M.; SAMSONOVA, A.M.; MCSUNOV, V.B.; KESELOVSKAYA, V.K.; GOL'DINA, G.S.; SERAFIMOVA, A.M.; BIRALO, T.I.; VASILENKO, L.N.

Sensitivity to chlorophos, trichloromethylphos, DDT, hexachlorocyclohexane and polychloropinene in housefly populations following the use of these insecticides for several years. Zhur. mikrobiol., epid. i immun. 42 no.8:7-14 Ag '65. (MIRA 18:9)

1. TSentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut, Moskva, Mytishchinskaya i Tashkentskaya gorodskiy sanitarno-epidemiologicheskiye stantsii, Tashkentskaya i Minskaya gorodskiy dezinfektsionnyye stantsii i Brestskaya gorodskaya i Brestskaya oblastnaya sanitarno-epidemiologicheskiye stantsii.

MISNIK, Yu.N.

Cross-tolerance to pyrethrins in *Musca domestica* L. cultures highly
resistant to the action of chlorated hydrocarbons. Zhur. mikro-
biol., epid. i immun. 42 no.8:14-17 Ag '65. (MIRA 18:9)

1. Tsentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy in-
stitut, Moskva.

L 23405-66 EWT(1)/T R0/JK

ACC NR: AF6014013

SOURCE CODE: UR/0016/65/000/008/0007/0014

AUTHOR: Sukhova, M. N.; Gvozdeva, I. V.; Misnik, Yu. N.; Teterovskaya, T. O.;
Bolotova, T. A.; Kholodova, G. K.; Samsonova, A. M.; Gol'dina, G. S.; Goldina, G. S.;
Storozheva, Ye. M.; Storozheva, E. M.; Mosunov, V. B.; Nasalovskaya, V. K.; Serafimova,
A. M.; Biralo, T. I.; Vasilenko, L. N.

ORG: Central Scientific Research Disinfection Institute, Moscow (Tsentral'nyy nauchno-
issledovatel'skiy dezinfektsionnyy institut); Mytishchi City Sanitary Epidemiological
Station, Mytishchi (Mytishchitsskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya);
Tashkent City Sanitary Epidemiological Station, Tashkent (Tashkentskaya gorod-
skaya sanitarno-epidemiologicheskaya stantsiya); Tashkent City Disinfection Station,
Tashkent (Tashkentskaya gorodskaya dezinfektsionnaya stantsiya); Minsk City Disinfection
Station, Minsk (Minskaya gorodskaya dezinfektsionnaya stantsiya); Brest City
Sanitary Epidemiological Station, Brest (Brestskaya gorodskaya sanitarno-epidemiolo-
gicheskaya stantsiya); Brest Oblast Sanitary Epidemiological Station (Brestskaya
oblastnaya sanitarno-epidemiologicheskaya stantsiya)

TITLE: Sensitivity of the house fly population to chlorophos, trichlorometaphos-3,
DDT, hexachlorocyclohexane, and polychloropinene after many years of application of
these insecticides

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 8, 1965, 7-14

TOPIC TAGS: entomology, insecticide, organic phosphorus compound, chlorinated
organic compound

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UDC: 614.57:615.777/779.7:576.895.772.095.18

L 23405-66

ACC NR: AP6014013

6455
2

ABSTRACT: The sensitivity of flies to insecticides was studied in a number of cities. Tests were carried out on female flies by applying an acetone solution of the insecticide to the back and determining the LD₅₀. At Minsk and Brest, where sprinkling of walls with a 2-3% aqueous solution of chlorophos was applied for 7 and 6 years, respectively, increased tolerance of flies to this insecticide was observed. At Mytishchi, where chlorophos baits were used, particularly in the form of mixtures containing ammonium carbonate, the sensitivity of flies to this insecticide remained undiminished. No increase in the tolerance of southern house flies (*Musca domestica vicina* Macg.) to chlorophos after application of this insecticide in Tashkent for 4-5 years was observed. Use of trichlorometaphos as a larvicide reduced the sensitivity of flies to this insecticide to a small extent in Mytishchi, Minsk, and Brest, but not to a degree which could be regarded as an increase in tolerance (defined as a decrease of sensitivity by a factor of 2-4). The sensitivity of flies to trichlorophos was unaffected after use of this insecticide in Tashkent. Flies at Minsk and Brest which had developed a tolerance to chlorophos also showed an increased resistance to DDT and hexachlorocyclohexane (this increase in resistance also developed to a minor extent at Mytishchi). However, the increase in the resistance to hexachlorocyclohexane was presumably not related to the use of organophosphorus compounds, but due to the application of polychloropinene in these localities. Existence of a relation between increased resistance to DDT and tolerance to chlorophos was more likely. Southern flies in Tashkent, which retained sensitivity to chlorophos to the full extent, did not exhibit an increase in the resistance to DDT. After a

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ACC NR: AF6014013

6 to 7 year discontinuance of the use of chlorinated hydrocarbons in Tashkent, a moderate tolerance to DDT that was on the initial level remained, while the resistance to hexachlorocyclohexane decreased by a factor of three. The most expedient methods for the extermination of flies are used of chlorophos - ammonium carbonate baits to exterminate imago and application of larvicides, specifically those containing trichlorometaphos - 3 in optimum doses, so that development of tolerance will be prevented. Orig. art. has: 4 figures and 2 tables.

[JPRS]

SUR CODE: 06, 07 / SUBM DATE: 24Sep65 / ORIG REF: 004 / OTH REF: 004

Card 3/3 Jo

MISNIKOV, K.P.

Stratigraphy of Neocene conglomerates of the Isfara cone. Dokl.
AN Tadzh.SSR no.4:13-17 '52.
(MIRA 9:3)

I.Institut geologii Akademii nauk Tadzhikskoy SSR. Predstavleno
deystvitel'nym chленом AN Tadzhikskey SSR.
(Tajikistan--Geology, Stratigraphic)

HINNINOV, K.P.

Thinly dispersed clays in Tajikistan. Trudy AN Tadzh. SSR 58:151-
158 '56.
(Tajikistan--Clay) (KLEA 10:6)

MISHNIKOV, K.P.

Criteria for geological prospecting for antimony and mercury in
central Tajikistan. Izv. Vtd. est. nauk AN Tadzh.SSR no. 19:37-55
'57.
(MIRA II:8)

1. Institut geologii AN Tadzhikskoy SSR
(Tajikistan—Prospecting) (Mercury areas) (Antimony areas)

MISNIKOV, K.P.

Research activities of the Division of Natural Science of the
Tajik Academy of Sciences. Izv.Otd.est.nauk AN Tadzh.SSR
no.2:117-118 '58.
(MIRA 13:4)

I. Otdeleniye yestestvennykh nauk.
(Tajikistan--Research)

BARATOV, R.H.; ZAKHAROV, S.A.; MISNIKOV, K.P.; NAZAROV, Kh.N.

B.L. Lichkov, scientist and researcher; on his 70th birthday and the
50th anniversary of his pedagogical activities. Izv. Otd. est. nauk
AN Tadzh. SSR no.1:121-132 '59. (MIRA 13:3)
(Lichkov, Boris Leonidovich, 1888-)

MISNIKOV, K.P.

Scientific activities of the Division of Geologo-chemical and
Technological Sciences. Izv. Otd. geol.-khim. i tekhn. nauk AN
Tadzh.SSR 1:127-128 '60.

(MIRA 15:1)

I. Uchenyy sekretar' Otdeleniya geologo-khimicheskikh i tekhnicheskikh
nauk AN Tadzhikskoy SSR.
(Tajikistan--Research)

VINOGRADOV, P.D.; MARTYSHEV, V.R.; MISHNIKOV, Yu.K.; TORSHIN, N.S.

Manifestations of petroleum in Silurian deposits of central Tajiki-
stan. Mat. VSEGEI no.10:73-78 '56.
(Tajikistan--Petroleum geology)

(MIRA 10:1)

11500 also 1496, 1160

22968

S/128/60/000/011/005/007
A033/A133

AUTHORS:

Lomakin, A. V., Mirskiy, F. L., Misochko, N. D., Aleksandrov, A. G.

TITLE:

Molding large-size steel castings

PERIODICAL:

Liteynoye proizvodstvo, no. 11, 1960, 29 - 31

TEXT:

The authors, enumerating the deficiencies of fabricating big molds in flasks or in the ground, report on the casting of a 25-ton bed of a horizontal forging machine with overall dimensions of 3,785 x 2,375 x 1,725 mm, 40 - 400 mm walls, at the Novo-Kramatorskiy zavod (Novo-Kramatorsk Plant). The casting was intended for the Azovskiy zavod kuznechno-pressovogo oborudovaniya (Azov Plant of Forging and Pressing Equipment), and was manufactured in an assembled molding jacket, consisting of four vertical cast iron walls with bracing ribs and a bottom plate. The cores were broken down into 23 standardized sizes. The braking gate system was calculated for the pouring of the mold from one 40-ton capacity ladle through two plugs 60 mm in diameter. Feeders 50 mm in diameter were placed in three rows over the casting height, four in each row. The cross section ratio between risers, gate system and feeders was 1: 1.2 : 1.4. The numerous tests being carried out at the plant to find the optimum molding and coating mixture resulted in a recipe cit-

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Molding large-size steel castings

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A033/A133

ed in table 1. The authors then give a detailed description of the making of cope and drag and present in a table a comparison of the consumption of molding and core materials for the same part. This table proves that the extent of molding work during molding in jackets is nearly only half of that for molding in the ground. Based on the experience gained with the jacket molding of this machine bed a technology has been developed at the plant for the manufacture of the bed mold of another forging machine 35 tons in weight and other large-size castings. The main advantage of the jacket molding of large-size castings over the ordinary molding in the ground is, above all, the high degree of accuracy of dimensions which made it possible to do away completely in eleven spots with mechanical treatment, while in nine spots of the casting an allowance of 10 - 15 mm for mechanical treatment was left instead of 30 - 40 mm according to the ordinary technology. As a result, the mechanical working costs could be cut down by 27% and the casting weight was reduced by 1,500 kg. Table 3 shows comparative data on the floor area required, duration of the casting cycle and the casting output from 1 m². The authors point out that with this molding method the plant saves on each machine bed of 35 tons weight 40.2 thousand rubles, which is 603,000 rubles annually. There are 2 figures X

Card 2/4

MISCH, Karel (Prague); PISKO, Zdenek (Prague)

Stage rockets. Pokroky mat fyz astr 9 no.4;223-239 164.

Pb-4/Pn-4/Pb-4/Pn-4/ENG(v)/ENG(c)/EWP(h)/EWP(a)/EWP(h)/EWG(c)/EWA(h)/FCS(k)
AEDC(s)/ASU(a)-5/AFMD(c)/AFTC(p)/AFETR/AFTC(s)/SSD(c)/ESD(t) TT/WW/GW
ACCESSION N.P.: AP4044505 Z/0028/64/000/004/0233/0239

AUTHOR: Mison, Karel (Prague); Pirko, Zdenek (Prague)

TITLE: Multistage rockets

B

SOURCE: Pokroky matematiky, fyziky a astronomie, no. 4, 1964, 223-239

TOPIC TAGS: multistage rocket, single stage rocket, ballistic rocket, artificial earth satellite, space rocket, rocket motor

ABSTRACT: The article gives a complete review and discussion of the characteristics of multistage rockets and underlines their superiority over single-stage rockets. On the one hand the dimensional magnitudes (characteristics), and on the other the dimensionless magnitudes (parameters) are defined for the numerically precise expression of the mechanical properties. The application of these magnitudes to single-stage rockets, and in turn to multistage rockets is discussed. The results obtained are illustrated by numerical examples for the ballistic rocket, artificial earth satellites and space rockets for classical rocket motors. Concrete values are given for the Vanguard rocket, the Aerobee, and the Viking, and a look is taken into the future with the nuclear rocket motor. Equiparameter, idem-

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L 18347-65

ACCESSION NR: AFLOU4606

parameter, geometric, and the limit case of infinitesimal rockets are taken as the characteristic and standard types of rockets. The data used in the article were assembled from studies which contained only individual and disparate details relating to the subject. The available literature gives no systematic or elementary elaboration of the problems treated here. This article is pedagogical and a convenient introduction to the problems of multistage rockets. It is planned to give a more rigorous mathematical elaboration of optimization of rockets in later articles. From this point of view, the desirability of a formal discussion of the standard types of multistage rockets is evident. Orig. art. has: 11 diagrams, 3 tables, and 33 formulas.

ASSOCIATION: none

SUBMITTED: OO

ENCL: 00

SUB CODE: SV

NO REF Sov: 000

OTHER: 000

Card 2/2

MISON, KAREL

Mišon, Karel. Definition of the Bernoulli numbers. Sum
of an arithmetic series without use of difference series.
Časopis Pěst. Mat. 76, 199-200 (1951). (Czech)

The author points out that the difference equation
 $\phi(p, x+1) - \phi(p, x) = x^p$, where p and x are integers and
which has the particular solution $F(p, x) = \sum_{n=0}^{x-1} n^p$, may be
solved as a polynomial in x in which the constant term is
arbitrary. Since F and ϕ can differ by at most a periodic
function of x , which may be taken as a constant in this case,
it follows that F is a polynomial of degree $p+1$ in x whose
coefficients are proportional to the Bernoulli numbers. In
this way the author claims to avoid the notion of difference.

D. H. Lehmer (Los Angeles, Calif.).

SR: Mathematical Review, Vol. XIV, No. 5, May 1953

YUAN, R.

SPAIN: BIBLIOGRAPHY OF A POLITICAL HISTORY. 1945-1950.

CHILOPEK, K. (Editor). SPAIN: BIBLIOGRAPHY OF A POLITICAL HISTORY. 1945-1950.

Oppenheimer

See: HANDBUCH DER POLITISCHE BIBLIOGRAPHIE. VOL. 5, NO. 7. JULY 1950.

MISON, Karel

The Czechoslovak standard 01 1001: Mathematical symbols. Pokroky mat
fyz astr 7 no.5:302-303 '62.

MISON, Voldemar; JOOSEP, E., retsenzent; REHEMAA, H., red.

[Mine loading machine operators] Kaevanduse laadimismasina
masinist. Tallinn, Kirjastus "Eesti Raamat," 1965. 125 p.
[In Estonian] (MIRA 18:12)

MISON-CRIGHEL, Nella; PINTILIE, C.; LAZAR, Dorine; OLTEANU, I., PETRESCU, A.;
VOINESCU, Sorinella.

Study of blood proteins and serum catalase activity in experimental
herpetic encephalitis in rabbits. Stud. cercet. inframicrobiol.,
Bucur. 6 no.3-4:389-400 July-Dec 1955.

(ENCEPHALITIS, experimental
herpetic, blood proteins & serum catalase activity)

(BLOOD PROTEINS, in various dis.
exper. herpetic encephalitis)

(CATALASE, in blood
in exper. herpetic encephalitis)

(HERPES
herpetic encephalitis in rabbits, blood protein & serum
catalase changes)

MISON-KRIGEL', N.

KHRYNDIYE, A.; MISON-KRIGEL', N. [Misson-Crigel, N.]

Biochemical studies in experimental and clinical epilepsy [with
summary in French]. Zhur.nevr. i psich. 57 no.10:1205-1209 '57.
(EPILEPSY, metabolism,
(Rus))

(CONVULSIONS, experimental,
metab. in (Rus))

Country : RUMANIA
Category : Human and Animal Physiology.
 The Nervous System. Metabolism.
Aba. Jour. : Ref Zhur-Biol., No 23, 1958, 106/15 T
Author : Mison-Crighel, Nella; Liteanu-Lazar, Dorina
Institut. : AS Rumania Neurological Institute.
Title : The Effects of Experimental Convulsions upon Certain Phosphor Compounds Found in Blood Obtained from the brain of Dogs.
Orig. Pub. : Studii si cercetari neurol. Acad. RPR Inst. neurol., 1957, 2, No 1, 107-115

Abstract : After a convulsion was induced by electric current, the blood obtained from the sagittal sinuses of 3 not-narcotized dogs displayed irregular changes of general P (I) and anorganic P (II) content. In most of the cases, I and II contents were increased. After convulsions were produced by electric current and by cardiazol, I and II contents increased in 2 other dogs who had received morphine anesthesia. -- B. M. Gekht

Card: 1/1

100

MISON-KRIGEL, Nella [Mison-Grigel, N.]; KONSTANTINESCU, Yelizabeta
[Constantinesco, E.]; KRIGEL, Ye. [Grigel, E.]

Effect of the preconvulsive functional stage on the development of
the convulsive seizure and on the biochemical modifications induced
by the latter. Ukr.biokhim.zhur. 31 no.6:834-848 '59.

(MIRA 13:5)

I. Nevrologicheskiy institut I.P. Pavlova AN Hunyansko Narodnoy
Respubliky, Bukharest.

(CONVULSIONS)

MISON-CRIGHEL, N.; PINTILIE, G.; CONSTANTINESCU, E.; LUCA, N.;
COSTA-FORU, D.; SOLOMONOVICI, A.

The effect of blood sugar changes on intermediate metabolism
in patients with asthenic neuroses. I. Effect of the administra-
tion of glucose and insulin. Rev. sci. med. 8 no. 3/4:111-115
'63.

(NEURASTHENIA) (BLOOD SUGAR) (GLUCOSE)
(INSULIN) (PHARMACOLOGY) (METABOLISM)
(MENTAL DISORDERS)

PINTILIE, C.; COSTA-FORU, D.; MISON-CRIGHEL, N.; CONSTANTINESCU, E.;
LUCA, N.; SOLOMONOVICI, A.

The effect of blood sugar changes on intermediate metabolism
in patients with asthenic neuroses. II. Effect of treatment
with increasing doses of insulin. Rev. sci. med. 8 no.3/4:
159-162 '63.

(BLOOD SUGAR) (INSULIN) (NEURASTHENIA)
(PSYCHOSES, MANIC-DEPRESSIVE) (METABOLISM)
(CITRATES)

MISORINA, N. YE., Kvasnikov, Ye. I.

"Some Rules of Propagation of Microorganism Antagonists of the Intestinal-Typhoid Group of Bacteria in the Soil of Uzbekistan"
Vopr. Krayevoy Patologii AN UZSSR, No 3, 1953, 44-48

Bacterial antagonists of the intestinal typhoid group were examined in more than 1600 samples of soil and it was found that their propagation was related to the latter's being infected by intestinal-typhoid bacterial groups. Strongly antibiotic activity was discovered in soil obtained from underneath human dwellings, and in water flowing through the area. The therapeutic soil from bottom lands of the Syr-Dar'ya is especially antibiotic in its effect. A seasonal change in propagation was observed.
(RZhBiol, No 9, May 1955)

SO: Sum-No 787, 12 Jan 56

MISOV, Mincho

Economic aspects of the introduction of a series of flue gas
ventilators according to the 0.68-161⁰ aerodynamic system.
Mashinostroenie 12 no.1:8-11 Ja '63.

KOSIK, M., inz.; MISOVEC, P., inz.

Graduation papers of the Chair of Chemical Technology of
Wood and Chemical Fibers on the cellulose and paper production
technology, presented in 1961-1963. Papir a celulosa 18 no.
12: 241-243 D '63.

1. Katedra chemickej technologie dreva a chemickych vlaken,
Chemicka fakulta, Slovenska vysoka skola technicka,
Bratislava.

JURKOVIC, Jan; MISOVEC, Pavol; KOSIK, Martin

Some possibilities of furfural yield increase in low temperature pyrolysis of wood. Drevarsky vyakum no. 1:59-67 '63.

1. Katedra chemickej technologie dreva chemickej fakulty, Slovenska vysoka skola technicka.

MISOVIC, Jelica; RAMASECHAN, R.

Space group determination of double salt $(\text{NH}_4)_2\text{SO}_4 \cdot 3\text{NH}_4\text{NO}_3$.
Glas Hem dr 28 no. 3/4:115-122 '63

Misovic, J. D.

YUGOSLAVIA / Physical Chemistry. Electrochemistry.

B

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60356.

Author : Aleksandar M. Leko, Belimir D. Canic, Jelica D.
Misovic.

Inst : Chemical Society (Yugoslav).

Title : Reaction of Metals with Perchloric Acid.

Orig Pub: Glasnik Hem. drustva, 1957, 22, No 1, 23-27.

Abstract: The dissolution of Mg, Zn, Mn, Fe, Cd, Ni, Sn, Cr and other metals (M) in HClO_4 (I) (to 70%) at 100° was studied. It is shown that the relation of de-polarizing reactions (liberation of H_2 and reduction of I to Cl^-) for a given M changes regularly with the concentration of I, and that a given con-

Card 1/2

Misovskii, I.P.
✓ 3599. Misovskii, I. P., Application of Chaplygin's method to the solution of the Dirichlet problem for a special type of elliptic differential equations (in Russian), Dokladi Akad. Nauk SSSR 62 (N.S.) 99, 13-15, 1954.

Consider the equation $\Delta u = f(x, y, u)$ in a bounded, simply connected region D with sufficiently smooth boundary S . Suppose u vanishes on S . If $f_{yy} > 0$ and $f_{yy} \leq 0$ in and on the boundary of D , author defines the sequence of functions u_n with $u_0 = 0$ satisfying

$$\Delta(u_n - u_{n-1}) = f_n(x, y, u_{n-1})(u_n - u_{n-1}) + f(x, y, u_{n-1}) = \Delta u_{n-1}$$

and shows that $u_n \leq u_{n-1}$ and that $u_n \rightarrow u$. Moreover, if $f(x, y, V) = \Delta V \leq 0$, and V vanishes on S , then $u_n \geq V$.

A sequence of functions v_n with $v_n \geq v_{n-1}$ is defined by means of a somewhat more complicated recursion where also $v_n \rightarrow u$. The case $f_{yy} \geq 0$ with no assumption on f_{yy} is also treated, but again the recursions are more complicated.

A. S. Householder, USA

MISOVSKIY, V.S.

"Complex Mechanization and Automation in Foundry Work", in book Complex Automation and Mechanization in Mechanical Engineering, State Scientific-Technical Publishing Office for Machine Building Literature, Moscow, 1959.

MISKARLI, A.K., BAYRAMOV, A.M.

Mechanism of the protective action of surface active agents
on disperse clay systems. Dokl. AN Azerb. SSR 16 no.1:13-17
'60. (MIRA 13:6)

I. Institut khimii AN Azerbaydzhanskoy SSR. Predstavleno
akad. AN Azerbaydzhanskoy SSR M.F. Nagiyevym,
(Clay) (Surface active agents)

MISOVSKY, Emil

Czechoslovak export engineering products. Tech praca 16 no.9:
663-665 S '64

1. Deputy Foreign Trade Minister.

MISCHNIKOV, V. M., Engineer

"Investigation of the Upsetting of Shaped Products in a Cold State and
with Preheating." Sub 23 Nov 51, Moscow Automotive Mechanics Inst

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

MISOZHNIKOV, V.M.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 665 - I

BOOK

Call No.: AF411112

Authors: MISOZHNIKOV, V. M. and GRINBERG, M. YA.

Full Title: COLD UPSET FORGING OF METALS

Transliterated Title: Tekhnologiya kholodnoy vysadki metallov

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of
Machine-Building and Shipbuilding Literature (MASHGIZ)

Date: 1951 No. pp.: 307 No. of copies: 4,000

Editorial Staff

Editor: Zakrzhevskiy, V. B. Appraiser: Navrotskiy, G. A.,
Kand. of Tech. Sci.

PURPOSE: This book is designed for engineers and technicians in the
field of cold working of metals, to be used by them as a hand-
book on technical data, machinery, equipment, tools and materials
used.

TEXT DATA

Coverage: The book provides exhaustive information on cold forging
of metals: upsetting of nails, rivets, bolts, pushing rods, etc.,
which require steel of up to 30 m/m in diameter. The authors give
brief information on plastic deformation of metals, on determination

1/2

Tekhnologiya kholodnoy vysadki metallov

AID 665 - I

of stresses and strains, on chemical and technical characteristics of the metals used in the process, and the required calculations of the materials involved and tools used. There is a thorough description of open and closed upsetting and the cold working of metals. The machinery, including modern automatic presses, equipment, tools and materials used in cold working of metals, as well as the shop practices are fully described and profusely illustrated. Cold extruding presses capable of working metal bars up to 30 m/m in diameter are mentioned, and it is said that larger and more complicated automatic presses are under construction. The new machines are supposed to combine the processes of extrusion, upset forging, cutting hexangular heads, threading and even washing the finished product. The book is written in plain language with some mathematical justification of the various topics discussed, and is well illustrated throughout.

No. of References: 16 Russian, mainly 1937-1950

Facilities: None

2/2

1. PRIGOROVSKIY, N. I., Prof.; BORTKIVITCH, V. I.; M. BOZNIKOV, V. M., Eng.
2. USSR (600)
4. Deformation (Mechanics)
7. Determination of stresses in upset forging by the tensometer method, Vest. mash., 32, No. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

MISCHNIKOV, V.M.

PLATE 2 BOOK INFORMATION 007/2946

Pravno-tekhnicheskaya literatura po teme 1 o "Tremy shrapnela" (handout
on Gun and Cluster Disc Project) Moscow, Radiotekhnika, 1977, 266 p.
15,000 copies printed.

Mr. (Russia name), Mr. Stepanovits Sh. (Russia book); S.S. Krasnoukh,
Boguslavskiy, Ed. of Publishing House P.M. Giliar, Publisher (book); Ph.
P.Y. Boguslavskiy, Publishing Ed., For Information Literature (book);
V.P. Boguslavskiy, Author.

PURPOSE: The handbook is intended for engineers and technicians working in foreign
arms training centers and in manufacturing facilities overseas. It may also be used by
students and students of technical schools.

CONTENTS: The handbook contains information on processes of projectile manufacture, instrumentation
and metallurgy. It provides the reader with general information
on metallurgy and on various kinds of forging and precision
machining. It also contains information on the characteristics of various
metallurgical treatments, and on mechanical characteristics of projectiles
and their equipment, on the marking and on technical requirements for
manufacture. The authors state that problems of manufacture by foreign
countries, particularly those countries which have only been disengaged from the Soviet Union, are
not mentioned. Information on gunpowder, foundries, tool management
and metallurgy, aluminum and gun metal, foundries, tool management
and metallurgy, and aluminum and gun metal, foundries, tool management
and metallurgy.

Editor: V.M. Mischnikov (V.M. Mischnikov)

Editorial Board: V.M. Mischnikov

General Information

Plating

MISOZHNIKOV, V.M., kand. tekhn. nauk; PUSHCHINSKAYA, A.A., red.; ALEKSEYEV,
T.V., tekhn. red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Cold upsetting of reinforcements; a review] Kholodnaia vysadka kre-
pezhnykh detalei; obzor. Moskva, TSentr. in-t nauchno-tekhn. informa-
tsii mashinostroeniia, 1961. 48 p.
(Forging) (MIRA 14:11)

MISOZHNIKOV, V.M.

Cold bilateral upsetting of traction chain rollers. Kuz.-shtem.
pröisv. 4 no.2:13-15 F '62. (MIRA 15:2)
(Forging) (Chains)

FILIMONOV, Yu.F., inzh.; PCZNYAK, L.A., kand. tekhn. nauk;
MISOZHNIKOV, V.M., kand. tekhn. nauk, retsenzent; BABENKO,
V.A., inzh., red.

[Forging by extrusion] Shtampovka pressovaniem. Moskva, Ma-
shinostroenie, 1964. 187 p. (MIRA 17:5)

POPOV, V.A., kand. tekhn. nauk; MIKOZHNICKOV, V.M., kand. tekhn. nauk, retsenzent; NAVKOTSKIY, G.A., kand. tekhn. nauk, retsenzent; GUMMIVUK, Ye.A., inzh., red.

[Equipment for automated cold upsetting processes] Osnastka avtomatizirovannogo khodnovyadochnogo proizvodstva. Moskva, Mashinostroenie, 1965. 174 p. (MIRA 18:8)

12(2), 12(5), 25(5)

CCU/123-52-7-10/12

AUTHOR: Dadko, D.A., Paton, V.Ye., Potap'yevsky, A.G., Machay,
V.S., Nizozhnikov, V.V.

TITLE: Automatic Welding of Small Size Automobile Parts in a
Carbon Dioxide Atmosphere

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 7, pp 70-72 (USSR)

ABSTRACT: The Institute of Electric Welding, imeni V.G. Patona,
has worked out a method of automatic welding of circumferential welds by means of thin wire in a protective atmosphere of carbon dioxide. This method has been applied to the welding of small-size automobile parts. The welding outfit encompasses the following main parts: 1) the welding machine; 2) DC-generator; 3) cylinder with carbon dioxide; 4) oxygen reducter, and 5) carbon dioxide heater. The welding head is equipped with a design for continuous movement of the electrode wire. The speed of movement can be set will change by means of a speed change box, within the limits of 110-330 m/hour. At the Moscow Carburettor

Card 1/3

SCW/103-50-7-10/10

Automatic Welding of Small Size Automobile Parts in a Carbon Dioxide Atmosphere

Plant, where at the present time the new welding machine is in operation, the method of soldering by high-frequency electric current had been formerly used, where the burning of thin metal work pieces often occurred, and the required strength of joints was affected. After the new method was taken up, the production capacity has increased 3-3,5 times, the quality of welded work pieces and the labor conditions were improved. The necessity of making copper rings for brazing and the application of sand blast cleaning of work pieces were eliminated. At the moment, the plant and the institute carry on their experiments in that field with a view to further developing this new method and applying it to other automobile parts. There are 2 tables, 1 diagram, 4 photographs and 1 Soviet reference.

Card 2/3

200/125-50-7-10/19

Automatic Welding of Small Size Automobile Parts in a Carbon Dioxide Atmosphere

ASSOCIATION: 1) Ordena trudovogo krasnogo znameni institut elektrosvarki imeni Ye.O. Patona AN UGSSR (Order of the Red Banner of Labor Institute of Electric Welding, AS USSR imeni Ye.O. Paton); 2) "Moskovskiy karbyuratornyy zavod" (Moscow Carburetor Plant)

Card 2/3

MISRA, D. D.; GUPTA, Y. K.

Reduction of permanganate by some of the carboxylic acids in presence
of iodide. Bul chim PAN 9 no.6:379-387 '61.

1. Department of Chemistry, D.S.B. Government College, Nainital,
India. Presented by M. Smialowski.

MISRA, Jagdish

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
General and Physical Chemistry

Viscosity in the system water-sodium caprylate with various alcohols. I. A. N. Ross and Jagdish Misra (Univ. Lucknow). *Kolloid-Z.*, 133, 108-11 (1958). Some were 0.58 in 0.01, up to 0.02N in NaCl, and up to 60% in Me, Et, Pr, Bu Am, and hexyl alcs. Solubilization occurred with water located between the layers formed by the polar ends of soaps mols., whereas the polar compds. lay in between the palisade layer of soap with its polar group (OH) towards the water layer. Some gels formed when micelles aggregated. Viscosity in the system water-sodium crotonate with various alcohols. II. *Ibid* 110-11.—The Pr alc. soln. of Na crotonate is different from the other solns.

A. VanHook

11-5454

HUNGARY

MISRA, M. S. and TOTH, B. L., Department of Physiology at the University for Veterinary Sciences [original-language version not given] in Budapest (Head: KEMENY, A., Professor).

"Total Serum Protein and Electrophoretic Pattern of Serum and Albumen in Fowls"

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol. 16,
No 2, 27 Jun 1966, pp 223-226.

Abstract: [English article; authors' English summary, modified] There is practically no difference in total serum protein between hens having egg in the magnum and those with egg in the uterus. The percentages of protein components are also similar. By using veronal buffer, the fast-moving section could not be detected in hen sera. In the chick serum there was a fast-moving fraction, and the α -globulin fraction was low. In the albumin there is also a fast-moving fraction and a backward-moving fraction, presumably mucin. 6 references to Western publications. (Manuscript received 8 Nov 1965).

1/1

- 234 -

S/137/62/000/007/014/072
A052/A101

AUTHORS: Misra, S. K., Krishnan, A. A.

TITLE: Dispersion strengthening of copper by alumina

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 44, abstract 7G307
("J. Scient. and Industr. Res.", v. D21, no. 1, 1962, 27 - 28,
English)

TEXT: The strengthening of Cu by adding 5% Al_2O_3 was investigated. Materials were prepared by intermixing electrolytic Cu powder and Al_2O_3 powder and by a joint reduction of the evaporated and dried mixture by $\text{Cu}(\text{OH})_2$ and $\text{Al}(\text{OH})_3$. The hydroxides were precipitated from Cu and Al chlorides by means of NaOH and $(\text{NH}_4)\text{OH}$. Powdered mixtures were pressed under $\sim 6 \text{ t/cm}^2$ and pressings were sintered at $1,000^\circ\text{C}$ during 1 - 8 hours. The dispersity of both phases is higher, the distribution of the strengthening phase is more uniform, when the second method of material preparation is applied. Material prepared by the second method has high density, hardness and ductility. The hardness of both groups of materials increases with the increase of sintering time which is connected with $\gamma-\alpha$ conversion of Al_2O_3 .

O. Padalko

[Abstracter's note: Complete translation]

Card 1/1

SAVIC, Dragislev; MIHALJEVIC, Bilje; ISVANESKI, Milorad; STOJEMIROVIC, Emilija; MISROVIC, Kosta; LIPOSAVIC, Miomir.

Tonsils in tuberculosis. Srpski arh. celok. l-k. 92 no.11:
1105-1108 N°64.

1. Otorinolaringološka klinika Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Srećko Pađinec);
Patoloski institut Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Zivojin Ignjatović).

Miss, A

3

v. Potentiometric determination of hexamethonium. A. H.
Miss and Sylvia Janzen. *Rec. Chin. (Beihang)* 1956, 6, 14.

Dissolve equivalent amt. of 5-15 mg. NH₄Cl-NH₄Br
in 50 ml. H₂O, add HCl to a strong blue and point, cool to
15-30°, immerse Pt and calomel electrodes, connect with
potentiometer, add dropwise 0.1M NaNO₂, noting potential
reading after each addition. The equivalence pt. is halfway on
the curve interval of max. potential change.

Gerhard Auflinger

Potentiometric
titration and
 SiO_2 determination
of chlorophyll
(1971). - $p\text{-CCl}_4\text{AlCl}_3$ stored or in the presence of
drift or isotropic polyvinylchloride, was titrated potentiometrically with NaNO_3 . Equiv. point was halfway on the
interval for which $\Delta E/\Delta x \approx \text{max}$. Gary Geraghty

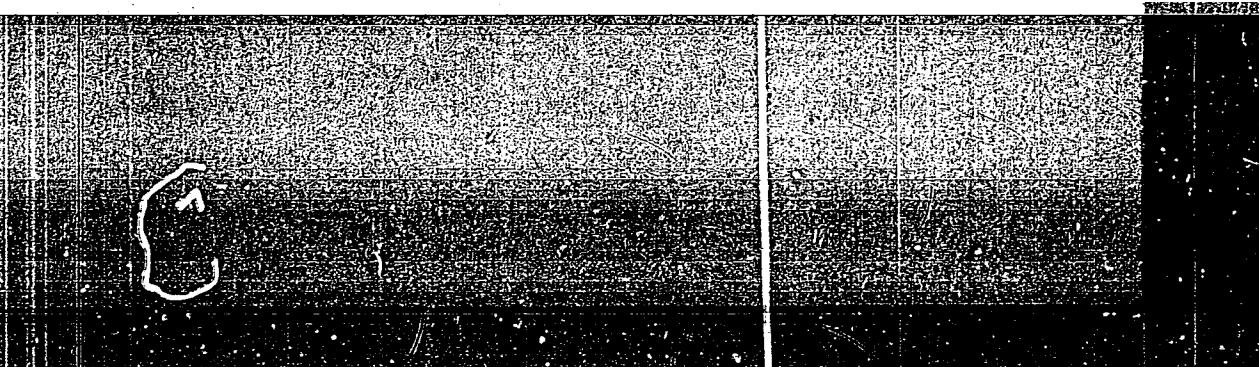
MISS. A.

RUM

Polarographic determination of 5-nitro-2-furaldehyde semicarbazone. A. Miss and Ruxandra Cîmpeanu, Rev. Chim. (Bucharest) 1965, 16(1), 1055. — Polarograms were made of aq. solns. of 5-nitro-2-furaldehyde semicarbazone (I) in the absence of O by using a Heyrovsky polarograph. Two stages were observed, the first corresponding to NO₂ and the 2nd to CH:NHCONH₂. The optimum pH was 2.9–3.2 obtained by addn. of AcOH. Gelatin was the protective colloid at the 2nd stage. Minute amts. of I can be detd. by this method. *Gérard Autioger*

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710011-2



APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710011-2"

MISS A.

RUMANIA/Chemical Technology - Chemical Products and Their
Applications - Drugs, Vitamins, Antibiotics.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37204

Author : Ionescu, M., Waitman, R., Miss, A., Voinescu, R.,
Benis, B., Sternberg, M.

Inst :

Title : Purification Methods of Penicillin.

Orig Pub : Rev. Chim. 1957, 8, No 5, 334-335

Abstract : Conditions for application of methods for penicillin G
(I) purification have been established. They are:
Precipitation of the colored impurities by acidification,
recrystallization of (I) from butanol and isopropanol,
purification of N,N'-dibenzyl ethylenediamine dipenicil-
late.

Card 1/1

MISS, A.

H-17

RUMANIA / Chemical Technology, Chemical Products and Their Application, Part 3. -
Drugs, Vitamins, Antibiotics.

Abs Jour : Ref Zhur - Khim., No 14, 1958, No 47777

Author : M. Sternberg, B. Benis, A. Solomon, Renee Ghimpu, Luliana Conu, A. Miss.
I. Andronic, Ciocanelea, A. Prialnic, Alice Ilian, Hermia Schreiber.

Title : Dicillin (Dipenicillinate of N,N'-Dibenzylethylenediamine).

Orig Pub : Rev. cmin., 1957, 8, No 5, 339 - 341

Abstract : Methods of N,N'-dibenzylethylenediamine dipenicillinate preparation of
crystalline penicillin G or various intermediate phases of its extrac-
tion or purification are described. Hints concerning the preparation of
some Galenic forms (tablets and injection suspensions) and the methods
of chemical and microbiological analyses are presented.

RUMANIA/Chemical Technology - Chemical Products and Their
Applications - Drugs, Vitamins, Antibiotics.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37202
Author : Miss, A., Greceanu, I., Andronic, I., Ilian A,
 Schreiber, H.
Inst : -
Title : New Type of Procaine-Penicillin for Injections.
Orig Pub : Rev Chim, 1957, 8, No 5, 343-344

Abstract : A new type of procaine-penicillin for injections was obtained by means of introduction of procaine solution into a flask filled with the ready-for-use penicillin. Control methods for determination of toxicity and sterility have been established.

Card 1/1

MISS, A.; CHIALE, R.

Contributions to the elimination of oxygen from solutions.

P. 545 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 8, No. 3, Aug. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5, 1958

RUMANIA/Chemical Technology. Pharmaceuticals. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur Khim., No 24, 1958, 83694.

Author : Miss A., Ghimpu R.

Inst :

Title : The Iodometric Determination of Dibenzyl Ethylene-
diamine Dipenicillin (Dicillyne).

Orig Pub: Farmacia (Roman), 1958, 6, No 2, 147-154.

Abstract: The method for the determination of dicillyne (I) suggested by Parker and Donehan gives results lower by 3.1 to 5.9%, calculated on the starting amount of penicillin. In the determination of I, containing impurities, the error also increases. A simple and exact method is developed which

Card : 1/2

14

RUMANIA/Chemical Technology. Chemical Products
and Their Applications. Industrial Or-
ganic Synthesis.

H-15

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24332

Author : Miss, A., Evsicov, T.

Inst : -

Title : Rapid Method of Determination of Vinyl-
acetate in Raw Products.

Orig Pub : Rev. chim., 1958, 9, No 6, 330-331

Abstract : The method of determining vinylacetate (I)
in technical products is based on the li-
mited solubility of I and of the accompan-
ying impurities (CH_3COOH , vinylideneacetate
and acetaldehyde) in water and in water solu-
tion of NaCl. Into a 25 ml graduate (graduated

Card : 1/3

H-71

RUMANIA/Chemical Technology. Chemical Products
and Their Applications. Industrial Or-
ganic Synthesis.

H-15

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24332

in 0.1 ml), of 300 mm in length and 12 mm
in diameter, 15 ml of 10 percent NaCl so-
lution and 10 ml of technical I are intro-
duced with a pipette. The graduate is cor-
ked and is shaken vigorously for 15 seconds,
followed by 2-3 minutes of settling. The con-
centration of I in technical products is de-
termined by using calibrated curves in which
the volume of the upper layer (in ml) is plot-
ted against the abscissa and the percentage
of I is plotted against the ordinate. A com-
plete determination requires 4 minutes, and
the maximum error is \pm 3 percent. For increa-

Card : 2/3

RUMANIA/Chemical Technology. Chemical Products
and Their Applications. Industrial Or-
ganic Synthesis.

H-15

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24332

sed accuracy, 2-3 parallel determinations
are usually made. -- T. Sladkova

Card : 3/3

11 - 72

Country : RUMANIA
Category : Analytical Chemistry. Analysis of Organic
Substances
Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15129 E
Author : Miss, A.; Arsene, A.
Institut.
Title : Determination of Methylene-Bis-Thioglycolic
Acid
Orig. Pub. : Rev. chim., 1958, 9, No 6, 331-333
Abstract : A method based on the esterification of methylene-bis-thioglycolic acid (MBTA) with n-butyl alcohol (BA) and subsequent saponification of the obtained ester is proposed. A sample of the substance (crystals or solution) which contains about 1 g. of MBTA, 30 ml. of BA and one drop of concentrated H_2SO_4 (catalyzer) is mixed in a flask; the flask is connected with a separator of the liquid which is equipped with a reflux condenser, and the liquid is evaporated

Card: 1/3

Country : RUMANIA
Category : Analytical Chemistry. Analysis of Organic
 Substances
Abs. Jour. : Ref Zhur - Khim., No 5, 1959, No. 15129

Author :
Institut. :
Title :

Orig. Pub. :

Abstract Cont'd : until removal of all water and \approx 2/3 of BA,
 whereupon esterification proceeds quantitative-
 ly. After cooling, 20 ml. of C₂H₅OH and three
 drops of a solution of m-cresol purple are
 added to the residue, and the mixture is neu-
 tralized with a 0.5 n. NaOH solution; then,
 20 ml. more of 0.5 n. NaOH solution are added,
 a reflux condenser is connected to the flask,
 and the mixture is boiled for 30 minutes. The
 solution is cooled and titrated with a 0.5 n.

Card: 2/3

E - 31

MISS, A. ; IANCU, S.

Determining methods in the control of the manufacture of sulfathiazole. p.125.

STUDII SI CERCETARI DE CHIMIE. Bucuresti, Romania
Vol. 7, No. 1, 1959.

Monthly List of East European Accession (EEAI). LC, Vol. 8, No. 9, Sept. 1959
Uncl.

Miss, A.; Copel P.

Fast determination of chlorine in chlorinated plastic materials; suggestion
for a standard method. p. 142.

STANDARDIZA'EA. Comisiunea de Standardizare. Bucuresti, Romania
Vol. 11, no. 3, Mar. 1959

Monthly List of East European Accessions (EAAI) LC, vol. 6, no. 6, Sept. 1959

Uncle.

7
Circular paper chromatography. A. Misi and ~~UARICHEA~~
Serial (Forschungsinst. Ministerium Erdöl, Bucharest,
Romania). Z. anal. Chem. 145, 1-6 (1969). — by the use of
a circular paper disk with the spot in the center, solvent is
conveniently added by a twisted thread wick underneath.
By varying the size of the thread and the material (wool,
cotton, rayon, mercerized cotton) the rate of development is
easily controlled. The method has been used for the separation
of amino acids, antibiotics, polycarboxylic acids, polyalcohols
and sugars.

K. G. Stover

JJ

P/008/60/000/005/002/003
A107/A126

9,2540

AUTHOR: Missala, Tadeusz, Master of Engineering

TITLE: Voltage and frequency stabilization of aircraft generators and rotary converters

PERIODICAL: Technika Lotnicza, no. 5, 1960, 140 - 149

TEXT: The author gives a general description of voltage and frequency stabilizers for aircraft instruments and explains the various operating principles by means of graphs, circuit diagrams and block diagrams. He states in his conclusion that the best results were obtained with transducers which permit an utmost stabilization of inlet disturbances. There are 32 figures and 8 references 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: G. N. Patchett - "Automatic Voltage Regulators and Stabilizers", Pitman, London, 1958 r.

B

Card 1/1

MISSALA, Tadeusz

A review of methods of automatic control in distillation and rectification. Przem chem 39 no.11:662-668 '60.

MISSALA, Tadeusz, mgr inż.

Calculation of thermistor circuits for temperature difference
measurements. Pomiary 7 no 8:305-307 Ag '61.

1. Instytut Przemysłu Organicznego, Warszawa.

MISSALA, Tadeusz; SZACKI, Wiktor

Automatic control equipment for the stabilization of pH water suspensions designed for large laboratories. Archiw automat 7 no.3/4: 507-515 '62.

1. Instytut Przemyslu Organicznego, Warszawa.

MISSALA, Tadeusz

Computation of microsyn generator windings. Archiw
automat 8 no. 3: 289-334 '63.

1. Instytut Przemyslu Organicznego, Warszawa.

KWIATKOWSKI, Marian; MISSALA, Tadeusz; SZACKI, Wiktor

Thermal balance measurements of production processes. Pt. I.
Przem chem 42 no.6:320-323 Je '63.

1. Instytut Przemyslu Organicznego, Warszawa.

EWIATOWSKI, Marian; MIELNICZUK, Tadeusz; SZACKI, Wiktor

Thermal balance measurements of production processes.
Pt. 2. Przem chem 42 no.10:576-580 0'63.

1. Instytut Przemyslu Organicznego, Warszawa.

KWIATKOWSKI, M., dipl. ing. (Poland); MISSALA, T., dipl. ing. (Poland);
SZACKI, W., ing. (Poland)

Applying heat balance preparing measurements in the analysis of
chemical industry energetistic index numbers. Ipari energia 5
no.3:55-56 M '64.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710011-2

MIGRA, Federaz, dr Inc.

Measuring transducers, gyromagnetic materials
19 mc, 2.162-159 JI 1970

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710011-2"

MISSALA, Tadeusz, dr inż.

Measuring transducers of gyroscope instruments. Pt. 2.
Techn lotn 19 no. 8;207-213 Ag '64.

MISSALA, Zbigniew, mgr., inz.

Methods of reducing electric power consumption in rolling mills.
Energetyka przem 9 no.10:353-355 '61.

MISSALA, Zbigniew, mgr., inz.; LEJA, Marian; WICKA, Wilhelm

Automatic control of the cooling installation in rolling mills.
Energetyka przem 10 no.3:104-105 '62.

1. Huta Kosciuszko

MISSALA, Zbigniew, mgr inz.

Ways of economizing electric power in rolling mills. Wiad elektrotechn
31 no. 3142-44 Mr '63.

1. Huta Kosciuszko.

GULIN, V.S.; MITYUSHIN, A.A. ; NIKITIN, V.K.; MISSALOV, V.I.

Modernization of the rotary polishing machine. Der. prom.
10 no.8:22-23 Ag '61. (MIRA 14:8)

1. Moskovskiy mebel'no-sborochnyy kombinat No.2.
(Grinding machines)

5(4)

AUTHORS:

Missan, A. Ye., Sukhotin, A. M.

SOV/78-4-3-20/34

TITLE:

Investigation of Several Systems on the Basis of Perchloric Acid by Electrochemical Methods (Issledovaniye nekotorykh sistem na osnove klorinoy kisloty elektrokhimicheskimi metodami)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 3,
pp 606-622 (USSR)

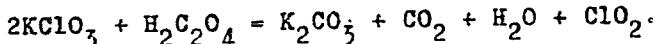
ABSTRACT:

Electrolytic methods were used for the investigation of concentrated perchloric acid, its decomposition products and solutions of chlorine oxides in perchloric acid. The production of the pure initial components was described in detail: perchloric acid 100 %; HClO_4 97-98 % (by dilution of 100 % HClO_4 with 74-75 % perchloric acid) and 74-75 % perchloric acid. Chlorine trioxide Cl_2O_6 was produced by the action of elementary chlorine upon KClO_3 at 50° according to the method devised by Bode and Klesper, and chlorine dioxide ClO_2 from KClO_3 and oxalic acid according to the following reaction:

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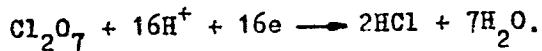
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The determination of the ClO_2 content was carried out iodometrically. The chlorine dioxide produced contains 98 % ClO_2 .

Hypochlorous acid HClO was made according to the method devised by Urisson and Kastner, chlorine tetroxide Cl_2O_8 according to Gomberg's method by action of iodine upon the ether solution of AgClO_4 . Chlorine tetroxide was extracted from the ether solution by water. The nature of the cathode process and the purity of HClO_4 were investigated. On the

polarization curve at the platinum electrode at 1.4 v a reduction process takes place which is caused by the Cl_2O_7 molecules. Other chlorine oxides were not found. The reduction process of Cl_2O_7 probably proceeds until the formation of HCl according to the reaction:



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After the introduction of ClO_2 into 97.9 % HClO_4 solution the cathode polarization curves with the platinum cathode were investigated. It was found that in solutions of chlorine dioxide in HClO_4 no disproportionation and no reaction with HClO_4 takes place. The reduction of ClO_2 starts at the potential 1.75-1.8 v. From the polarization curves of HClO and HClO_3 in concentrated perchloric acid it may be seen that in these solutions Cl_2O , ClO_2 , and Cl_2O_6 are formed, which are reduced on the platinum electrode. No interaction reaction between ClO_2 and Cl_2O_6 takes place with HClO_4 . The reduction of Cl_2O_6 occurs at $\varphi = 2$ v and proceeds according to the equation $\text{ClO}_3 + e \rightarrow \text{ClO}_3^-$. The free energy for the formation of ClO_3 was computed in the following way: $\Delta F^0 = +46$ kcal.

By plotting the cathode polarization curve with the platinum electrode the decomposition of HClO_4 was investigated. It

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